PTO/SB/05 (06-03)
Approved for use through 07/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonperciscular specialistics under 37 CFR 1.53(b)) Express Mail Label No. APPLICATION ELEMENTS See MFEP Chapter 600 conceiling liby patent application contents. I. X Fos Transmital Form (e.g., PTOSBJ17) Specialization and a displaced for the patients application contents. I. X Fos Transmital Form (e.g., PTOSBJ17) Applicat claims small entity status, see 37 CFR 1.25(c) Specialization Transmital Form (e.g., PTOSBJ17) Specialization (Total Pages 263) It Substantial Report (e.g., PTOSBJ17) Substantial Report (e.g., PTOSBJ17) Substantial Report (e.g., PTOSBJ17) Substantial Form (e.g., PTOSBJ17) Total Pages 263] It Specialization (Total Pages 263) It Specialization (Total Pages 263) It Substantial Report (e.g., PTOSBJ17) Substantial Report (e.g., PT	Under the Paperwork Reduction Act of 1995, no persons are requ	ired to re	spond to	a c					t displ	lays a valid OMB control n	umber.
PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patient application contents. APPLICATION (a.g., PTOSB) 17, 12, 14, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15		Attorn	ey Dock	et i							
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(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patient application contents. ADDRESS TO: Commissioner for Patients P.O. Box 1450 ADDRESS TO: Commissioner for Patients P.O. Box 1450 ADRESS TO: Commissioner fo											
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APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patents Alexandria, VA 22313-1450 Alexandria, VA 2231	(Unly for new nonprovisional applications under 37 CFH 1.53(a))	Expres	ss Mail	Lat	el No.						
See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: P.O. Box 1450 Alexandria, VA 22313-1450 Applicant dams small and adupticate for the processing) Applicant dams small and adupticate for the processing of the pr	APPLICATION ELEMENTS										
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See 37 CFR 1.27. 3. X Specification [Total Pages 263] (Iraplated arrangement set forth below) (Iraplated arrangement set forth set forth) (Iraplated arrangement set forth) (Iraplated	(Submit an original, and a duplicate for fee processing)		_		Compu	ter Pr	rogram	(Append	ix)		Ø
3. X Specification (Irotal Pages 263] (Irotal Pa									quenc	ce Submission	Ξ.
- Cross Reterence to Related Applications - Statement Regarding Fed sponsored 8 & D - Reference to sequence listing, a table, or a computer program festing appendix - Brief Surmany of the Investion - Clair(s) - Detailed Description - Clair(s) - Restrict of the Dizelosure - Abstract of the Dizelosure - Abstract of the Dizelosure - Abstract of the Dizelosure - A manual of the Dize		3]1	·		7			• •	(CRF	7)	940
- Cross Reference to Related Applications - Statement Regarding Fod sponsored 8 & D - Reference to sequence listing, a table, or a computer program fishing appendix - Brief Summary of the Invention - Brief Description of the Drawings (filter) - Detailed Description - Clair(s) - Detailed Description - Clair(s) - Restrict of the Disclosure - Abstract of the Drawings (filter) - Restrict of the Specifical filter of the Drawings (filter) - Restrict of the Restrict of the Specifical filter of the Drawings (filter) - Restrict of the Specifical filter of the Restrict of the Specifical filter of the Specific			b.	Sį	pecificat	tion S	equenc	e Listing	on:		13
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- Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Detailed Description - Claim(s) - Destailed Description - Continuation Description - Contin	 Reference to sequence listing, a table, 		C.	X	State	ment	ts verifyi	ing identi	ty of a	above copies	
- Brief Description - Detailed Description - Clairn(s) - Detailed Description - Clairn(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113)	- Background of the Invention				ACC	ОМР	ANYIN	IG APP	LICA	ATIONS PARTS	
- Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113)	 Brief Description of the Drawings (if filed) 		9.		Assigni	ment	Papers	(cover s	heet 8	& document(s))	
5. Oath or Declaration Total Sheets 2 1 12. X Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Newly executed (original or copy) 13. Preliminary Amendment 14. X Return Receipt and Serial No. Postcards (MPEP 503) (Ior continuation/divisional with Box 18 completed) 14. X Return Receipt and Serial No. Postcards (MPEP 503) (Ior continuation/divisional with Box 18 completed) 15. Return Receipt and Serial No. Postcards (MPEP 503) (Ior continuation/divisional with Box 18 completed) 15. Return Receipt and Serial No. Postcards (MPEP 503) (Ior continuation/divisional with Box 18 completed) 15. Return Receipt and Serial No. Postcards (MPEP 503) (Ior continuation Request under 35 U.S.C. 122 (b)(2)(B)(I)). Applicant must attach of the province of the specification in Request under 35 U.S.C. 122 (b)(2)(B)(I)). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Oth	- Claim(s)		10.	x							
a. Newly executed (original or copy) b. X Copy from a prior application (37 CFR 1.63(d)) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Examiner Dong Jiang For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS X Customer Number: 2 12.	4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 5	5)	11.		English	Tran	nslation	Docume	nt <i>(if a</i>	applicable)	
b. X Copy from a prior application (37 CFR 1.63(d)) (flor continuation/this/sional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation X Divisional Continuation-in-part (CIP) of prior application information: Examiner Dong Jiang Art Unit: 1646 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS X Customer Number: 22195 OR Correspondence address below Name Address City State Zip Code Telephone Fax	5. Oath or Declaration [Total Sheets 2	2]	12.	X							
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Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 16. X Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation X Divisional Continuation-in-part (CIP) of prior application No.: 09/796,844 Prior application information: Examiner Dong Jiang Art Unit: 1646 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS Correspondence address below Name Address Zip Code Country Telephone Fax			15.	╗	Certifie	d Cop	py of Pri	iority Do		nt(s)	
Application Data Sheet. See 37 CFR 1.63(d)(2) and 1.33(b). 17. Other: Other:	Signed statement attached deleting		16	ᅱ		-	-		er 35	U.S.C. 122 (b)(2)(B)(i).	
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Name (Print/Type) Janet M. Martineau Registration No. (Attomey/Agent) Registration No. (Attomey/Agent) Date August 22, 2ms	Country Tel	ephone						Fai	x]		
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Signature Date August 22, 2ng	Name (Print/Type) Janet M. Martineau				46,90)3		Telenh	one	(301) 315-2723	
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FEE TO ANICMITTAL		Complete if Known								
FEE TRANSMITTAL		Applic	ation	Numb	er Not Yet Assigned					
for FY 2003		Filing	Date		Concurrently Herewith					
		First I	Vame	d Inver	ntor Steven M. Ruben					
Effective 01/01/2003, Patent fees are subject to annual revision.		Exam	iner Na	ame	Not Yet Assigned					
Applicant claims small entity status. See 37 CFR 1.27		Art Ur	N/A							
TOTAL AMOUNT OF PAYMENT (\$) 972.00		Attorney Docket No. PF398P2D1								
METHOD OF PAYMENT (check all that apply)	 			FFF	CALCIII ATION (continued)					
METHOD OF PAYMENT (check all that apply) Check Credit Money Other None Check Card Order Other None X Deposit Account										
Deposit Account Number	Fee Code	Fee (\$)	Fee Code	Fee (\$)	- Fee Description Fee Paid					
Deposit	1051	130	2051	65						
Account Human Genome Sciences, Inc.	-				Surcharge – late filing fee or oath					
The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.					
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification					
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a request for ex parte reexamination					
Charge fee(s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action					
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action					
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month					
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month					
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month					
Fee Fee Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month					
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985	Extension for reply within fifth month					
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal					
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal					
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing					
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding					
SUBTOTAL (1) (\$) 750.00	1452	110	2452	55	Petition to revive – unavoidable					
	1453	1,300	2453	650	Petition to revive - unintentional					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from	1501	1,300	2501	650	Utility issue fee (or reissue)					
Claims below Fee Paid	1502	470	2502	235	Design issue fee					
Total Claims 23 -20** = 3 x 18.00 = 54.00	1503	630	2503	315	Plant issue fee					
Claims 5 -3" = 2 x 84.00 = 168.00	1460	130	1460	130	Petitions to the Commissioner					
Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)					
Large Entity Small Entity Fee Fee Fee Fee	1806	180	1806	180	Submission of Information Disclosure Stmt					
Fee Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40	Recording each patent assignment per property (times number of properties)					
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))					
1201 84 2201 42 Independent claims in excess of 3	1010	750	2010	275	For each additional invention to be					
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	examined (37CFR 1.129(b))					
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE) Request for expedited examination					
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	of a design application					
and over original patent	Other	fee (spec	cify)							
SUBTOTAL (2) (\$) 222.00	*Redu	iced by E	Basic Fi	ling Fee	Paid SUBTOTAL (3) (\$) 0.00					
**or number previously paid, if greater, For Reissues, see above	<u> </u>									
SUBMITTED BY					Complete (if applicable)					
Name (Print/Type) Janet M. Martjneau		ration No sy/Agent)	46	,903	Telephone (301) 315-2723					
Signature ////////////////////////////////////	210	<u>^</u>	_		Date August 22 2013					
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